Program to Exchange model small . data 11h,13h,15h,17h,19h a db b ab 20h, 22h, 24h, 26h, 28h . code mor ax, @ data mor ds, ax tea si,a lea di, b mar cl, osh L: mar al, [si] echog al, Edi] mov [si], al inc si inc di loop l mor ah, 4ch i'nt 21h end Program to Add with Carry . model small , data numi db 12h, 34h, 56h, 78h num 2 db 12h, 34 h, 56 h, 78 h res db 4 dup(?) . code mor ax, @ data mor ds, ax mov si,03h mor d, 04h dc · mor al, mum [[si] deciada adc al, num 2[si] daa mor res[si]; al dec si loop deciadd mov ah, 4ch ent 21h end.

Program of decimal adjust after addition.

· model small

· data

a db #gh

b ab 80h

· Code

mov ax, Edata

mov ds, ax

mov al, a

add a1, 80h

daa

mov ah, 4ch

int 21h

end.

Program of Subtraction with borrow · Model small . data numi db 78h, 65-h, 43h, 21h nume db 12h, 34h, 56h, 78h res db 4 dup (?) ~ Code mor an, @data mor ds, an mov si, 03h mar d, 04h de deasubb: mor al numi [si] sbb &l, num 2 [si] das mor restsi], al dec si loop decisubb mov ah, 4 ch int 21h end.